

RFS-380-50J

High performance 50ohm semi flexible coaxial cable

Ver A/0 Release Date Match, 2015



P/N: 338050J

Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, Semi Flexible High shield effectiveness
- Equivalent to Flexiform 380
- Replace to



Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.2	±0.01	Silver Plated Copper or Clad Steel
2	Dielectric	3.87	±0.05	Extruded PTFE
3	Outer conductor	4.47	±0.10	Soaked Tinned Copper Shield
4	Jacket	5.05	±0.15	Fluorinated Ethylene Propylene(FEP)
		5.20	±0.15	Polyolefin Thermoplastic Elastomer(POE)

Mechanical&Environmental Specifications

RoHS

Bend Radius:installation (mm)	25	RoHS	Compliant
Bend Radius:repeated (mm)	50		
Weight (g/m)	60 max.		
Temp, Operating&Installation (°C)	-65~165		
Temp, Storage (°C)	-65~165		

Electrical Specifications

Characteristic Impedance(ohm)	50±2	Time delay	4.7
Capacitance(pF/m)	95	Max Working Power(Vrms)	5000
Velocity ratio(%)	70	Shielding Effectiveness(dB)	≥100
Cutoff frequency(GHz)	25	Shields Coverage(%)	≥100

Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	500	1000	2000	3000	5000	8000	10000	18000
dB/100 m	25.0	40.0	56.0	70.0	91.0	112.0	131.0	209.0
Avg.Power KW	0.790	0.526	0.352	0.277	0.205	0.156	0.137	0.097

Maximum attenuation is 10% higher.

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